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## 1 Claims

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Sub A

1 A method for sampling a fluid produced from a  
2 wellbore, the method comprising providing a vehicle  
3 having a drive means for moving the vehicle, a  
4 collecting device for collecting a sample of fluid and  
5 a storage facility for the collected fluid; using the  
6 collecting device to recover a sample of the fluid to  
7 the vehicle's storage facility at a first location on a  
8 subsea structure; storing the sample in the storage  
9 facility of the vehicle; and carrying the sample in the  
10 vehicle's storage facility to a second location.  
11  
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14 2 A method as claimed in claim 1, wherein the first  
15 location is a wellhead.  
16

17

18 3 A method as claimed in claim 1, wherein the first  
19 position typically has a collection port to mate with  
20 the collecting device, and the method includes the step  
21 of engaging the collecting device with the collection  
22 port at the first location, and transferring the fluid  
23 through the collection port and collecting device while  
24 they are engaged.

25

26 4 A method as claimed in claim 1, wherein the  
27 vehicle is a remotely operated vehicle.

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29 5 A method as claimed in claim 1 wherein the storage  
30 tank and collecting device are housed on a frame  
31 attached to the vehicle.

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6 A method as claimed in claim 1, wherein the  
7 collecting device comprises at least one sample  
8 container for containing the sample collected, and the  
9 method includes the further step of storing the sample  
10 collected in the sample container.  
11

12 7 A method as claimed in claim 1, wherein the  
13 vehicle has a probe for connecting to the subsea  
14 structure at the first position and the method includes  
15 the step of connecting the vehicle to the subsea  
16 structure via the probe and collecting the sample  
17 through the probe.  
18

19 8 A method as claimed in claim 1 including the step  
20 of discarding a portion of the fluid collected.  
21

22 9 A method as claimed in claim 1 including the step  
23 of detaching the vehicle from the subsea structure at  
24 the first position, removing the sample when the  
25 vehicle has moved to the second position, and analysing  
26 the sample at the second position.  
27

28 10 A method as claimed in claim 1, wherein the  
29 collecting device has several separate sample  
30 containers for collecting samples, and the method  
31 includes the step of collecting a further sample from  
32 at least one other subsea structure before the vehicle  
moves to the second location for analysis of the  
samples.

33 11 A method as claimed in claim 1, wherein the device  
can be controlled from a position remote from the first

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~~position, and the method includes the step of  
controlling the device remotely.~~

~~12 A sampling device for collecting samples of fluid  
produced from a subsea wellbore, the sampling device  
having a drive means for moving the sampling device, a  
collecting device for collecting a sample of fluid and  
a storage container for holding the collected fluid.~~

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~~13 A sampling device as claimed in claim 12, wherein  
the wellbore has a wellhead and the collecting device  
comprises a probe for engaging a port on the wellhead.~~

14 A sampling device as claimed in claim 12 wherein  
the drive means comprises a remotely operated vehicle.

15 A sampling device as claimed in claim 12, wherein  
the storage container comprises at least one bottle,  
the said at least one bottle having a having a piston  
movable within the bottle.

16 A sampling device as claimed in claim 12, having  
means to indicate characteristics of the sample  
collected, the characteristics being selected from the  
group consisting of pressure, volume and temperature.

17 A sampling device as claimed in claim 12, wherein  
the device is adapted to collect the fluid sample from  
a subsea fluid-carrying structure selected from the  
group consisting of wellheads, manifolds, pipelines,  
wellbores, casings, tubulars, storage tanks and gravity  
base structures.

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- 1 18. A sampling device as claimed in claim 16, wherein  
2 the indicator means is configured to indicate the  
3 selected characteristics on a continuous basis.  
4  
5 19. A sampling device as claimed in claim 12, wherein  
6 the storage container has a fail safe valve to seal the  
7 container in the event of a power failure.  
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